

20780-0025

U.S. APPLICATION NO. (If known, see 37 CFR 1.8)

To be assigned

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

INTERNATIONAL APPLICATION NO.  
**PCT/US2005/004773**INTERNATIONAL FILING DATE  
**February 4, 2005**

PRIORITY DATE CLAIMED

**February 4, 2004**

## TITLE OF INVENTION

**SYSTEMS AND METHODS FOR CONTROLLING AND FORMING POLYMER GELS**

## APPLICANT(S) FOR DO/EO/US

**Jeffrey W. RUBERTI/Gavin J. C. BRAITHWAITE**

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4.  The US has been elected (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  A English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  had been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10.  An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11 to 20. below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A preliminary amendment.
14.  An Application Data Sheet under 37 CFR 1.76.
15.  A substitute specification.
16.  A power of attorney and/or address letter.
17.  A computer-readable form of the sequence listing in accordance with PCT Rule 132 and 37 CFR 1.821-1825
18.  A second copy of the published international application under 35 U.S.C. 154(d)(4)
19.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20.  Other items or information: Form PCT/ISA/210

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.7)		INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
To be determine		PCT/US2005/004773	
21. The following fees are submitted:		CALCULATIONS PTO USE ONLY	
<input checked="" type="checkbox"/> a) Basic national fee..... \$300.00 <input checked="" type="checkbox"/> b) Examination fee..... \$200.00 <input checked="" type="checkbox"/> c) Search fee..... \$400.00			
<b>TOTAL OF ABOVE CALCULATIONS =</b>			
<input checked="" type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.		900.00	
<b>TOTAL SHEETS</b> 119 - 100 = 19 = 1		<b>NUMBER EXTRA (of each additional 50 or fraction thereof rounded up to a whole number)</b> x 1 x \$250.00	<b>250.00</b>
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).			
<b>CLAIMS</b> Total claims - 20 =		<b>NUMBER EXTRAS</b> x \$50.00	
Independent claims - 3 =		x \$200.00	
<b>MULTIPLE DEPENDENT CLAIM(S) (if applicable)</b>		+ \$360.00	
		<b>SUBTOTAL =</b>	<b>1150.00</b>
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.		<b>SUBTOTAL =</b> 575.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$130.00	
		<b>TOTAL NATIONAL FEE =</b> 575.00	
Fee for recording the enclose assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$40.00	
		<b>TOTAL FEES ENCLOSED =</b> 575.00	
		<b>Amount to be refunded:</b>	\$
		<b>Amount to be charged:</b>	\$
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 50-3840 in the amount of \$575.00 to cover the above fees.</p> <p>A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment To Deposit Account No. 50-3840 A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</p>			
SEND ALL CORRESPONDENCE TO:			
 PROSKAUER ROSE LLP 1001 Pennsylvania Avenue, N.W. Suite 400 South Washington, D.C. 20036 Customer No.: 61263			
SIGNATURE		NAME	
John P. Isaacson		Date	
REGISTRATION NO.: 33,715		August 3, 2006	